| Electronic Acknowledgement Receipt   |   |  |  |  |
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| EFS ID:                              | 2900842   |  |  |  |
| Application Number:                  | 10635048  |  |  |  |
| International Application Number:    |   |  |  |  |
| Confirmation Number:                 | 6961  |  |  |  |
| Title of Invention:                  | Glycine betaine and its use   |  |  |  |
| First Named Inventor/Applicant Name: | Jallal Messadek   |  |  |  |
| Correspondence Address:              | HOVEY WILLIAMS LLP  - Suite 400 2405 Grand Boulevard  Kansas City MO 64108  US 8164749050 - |  |  |  |
| Filer:                               | Tracy L. Bornman/Jean Kahrau  |  |  |  |
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| Application Type:                    | Utility under 35 USC 111(a)   |  |  |  |
| Payment information:                 |   |  |  |  |

## Payment information:

| Submitted with Payment                   | yes             |
|--|-----------------|
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$180           |

| RAM confirma       | ation Number                          | 11151                           | 11151  |                     |                     |  |  |
|--------------------|---------------------------------------|---------------------------------|--|---------------------|---------------------|--|--|
| Deposit Acco       | unt                                   | 190522                          | 190522   |                     |                     |  |  |
| Authorized Us      | ser                                   |                                 |  |                     |                     |  |  |
| The Director       | of the USPTO is hereby authorized     | to charge indicated fees and    | credit any overpaym                            | ent as follov       | vs:                 |  |  |
| Charge             | any Additional Fees required under 37 | C.F.R. Section 1.21 (Miscellane | eous fees and charges)                         |                     |                     |  |  |
| File Listin        | g:                                    |                                 |  |                     |                     |  |  |
| Document<br>Number | Document Description                  | File Name                       | File Size(Bytes)<br>/Message Digest            | Multi<br>Part /.zip | Pages<br>(if appl.) |  |  |
| 1                  | Information Disclosure Statement      | TransmittalofIDStoPTO.pdf       | 110956   | no                  | 2                   |  |  |
|                    | Letter                                | ·                               | 1 29db1 57e54f9bdf9cadedad0a3bf4f56<br>83a57ea |                     |                     |  |  |
| Warnings:          |                                       |                                 |  |                     |                     |  |  |
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| 2                  | Information Disclosure Statement      | SecondSupp1449toPTO.pdf         | 189944   | no                  | 2                   |  |  |
|                    | (IDS) Filed                           | Сообщовртносог Тограг           | 2f6a391dea99877ab39b8390e45b412b<br>bd44340f   | 110                 | 2                   |  |  |
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| 3                  | Information Disclosure Statement      | SecondSuppIDSStmttoPTO.<br>pdf  | 31098  | no                  | 1                   |  |  |
|                    | (IDS) Filed                           |                                 | 70cc86f742ee11a0bf625e210f8016d07<br>091c67f   |                     |                     |  |  |
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| This is not an l   | JSPTO supplied IDS fillable form      |                                 |  |                     |                     |  |  |
| 4                  | Foreign Reference                     | FR2590M.pdf                     | 428914   | no                  | 5                   |  |  |
|                    | <b>3</b>                              |                                 | d58571e50c7966559fae04f31f6992ca0<br>a9332ae   |                     |                     |  |  |
| Warnings:          |                                       |                                 |  |                     |                     |  |  |
| Information:       |                                       |                                 |  |                     |                     |  |  |
| 5                  | Foreign Reference                     | WO02062322.pdf                  | 8226461  | no                  | 93                  |  |  |
|                    | 1 ordigit Helefelide                  |                                 | 0b054fc2dd33cd59df116372b7836b4e<br>8b7d3200   |                     |                     |  |  |
| Warnings:          |                                       |                                 |  |                     |                     |  |  |
| Information:       |                                       |                                 |  |                     |                     |  |  |
| 6                  | 6 Foreign Reference                   | WO0200213.pdf                   | 6418058  | no                  | 67                  |  |  |
| 0                  |                                       |                                 | df96a2cc1897257f5498fabafbd52c0d8<br>6b2aab9   |                     |                     |  |  |
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| Information:       |                                       |                                 |  |                     |                     |  |  |
| 7                  | 7 Foreign Reference                   | WO2004032916.pdf                | 5748213  | no                  | 49                  |  |  |
|                    |                                       |                                 | ad0f6ad73bc071efc5b1f927ee05c694fc<br>7545f0   |                     |                     |  |  |

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| 8                  | Foreign Deference | WO9738686.pdf                                | 2506473                                      | no  | 39           |
|                    | Foreign Reference | W0370000.pdi                                 | 15762adc04b9d512084066de70b22916<br>2c9a0ea7 | 110 |              |
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| Information:       |                   |  |  |     |              |
| 9                  | Foreign Reference | FR7047549.pdf                                | 588844                                       | no  | 13           |
|                    |                   | <u> </u>                                     | 4a74209cf85b17c387fba52f59207511a<br>a69af38 |     |              |
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| 10                 | NPL Documents     | McGregorref.pdf                              | 93023  | no  | 2            |
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| 11                 | NPL Documents     | Gurfinkelref.pdf                             | 83646  | no  | 1            |
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| 12                 | NPL Documents     | Klasingref.pdf                               | 90800  | no  | 1            |
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| 13                 | NPL Documents     | Schmidtref.pdf                               | 173354                                       | no  | 1            |
|                    |                   |  | 012a1d35d7df4ad91179301fc7745c8a<br>e3f13c26 |     |              |
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| 14                 | NPL Documents     | Emordref.pdf                                 | 4705145                                      | no  | 28           |
| 17 IVI L DOCUMENTS |                   | d7fe409145689c10793bd28d6b4f8006<br>365f0116 |  |     |              |
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| 15 NPL Documents   | NPL Documents     | Malinowref.pdf                               | 74271  | no  | 1            |
|                    |                   |  | ae341a592f4b955cb6d273328a01dbea<br>59053309 |     |              |
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| 16                 | NPL Documents     | alAwamiref.pdf                               | 87132  | no  | 1            |
|                    |                   | · · · · · · · · · · · · · · · · · · ·        | c7735ab76a940817c5c019f0c8cfed994<br>802ae56 |     |              |

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| 17                                    | NPL Documents          | Stammlerref.pdf  | 90672  | no | 1  |
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| 18                                    | Foreign Reference      | WO2004049095.pdf | 6203261                                      | no | 84 |
|                                       |                        |                  | a0c32e7273675ec630dce1376a3048ce<br>16dcedb8 |    |    |
| Warnings:                             |                        |                  |  |    |    |
| Information:                          |                        | 1                |  |    | ı  |
| 19                                    | Foreign Reference      | WO0156609.pdf    | 1550389                                      | no | 19 |
|                                       |                        |                  | 88e77c243cd4f8c98c1d48bd176758f16<br>d6b3376 |    |    |
| Warnings:                             |                        |                  |  |    |    |
| Information:                          |                        |                  |  |    |    |
| 20                                    | Foreign Reference      | WO0247493.pdf    | 3990085                                      | no | 43 |
|                                       | T Grought Horotonico   | WO0247493.pdi    | 83e3c455f54d3d6756965168380f0352<br>9e8d7501 |    |    |
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| 21                                    | NPL Documents          | McCartyref.pdf   | 76984  | no | 1  |
|                                       |                        |                  | bb7a1266b6db79472d9b8609c59ee73<br>eb99e222f |    |    |
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| 22                                    | NPL Documents          | EmordLetter2.pdf | 1044215                                      | no | 12 |
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| 23                                    | NPL Documents          | Birnieref.pdf    | 448562                                       | no | 4  |
|                                       |                        |                  | 66fa02ef1d77044f7b2c5660e0abb76fa<br>ccd8c3b |    |    |
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| Information:                          |                        | 1                | <del> </del>                                 |    | 1  |
| 24                                    | Fee Worksheet (PTO-06) | fee-info.pdf     | 8155   | no | 2  |
| Mounting                              |                        |                  | 856c9d57500adc831ab8dce504e2e49<br>b1bdd8c32 |    |    |
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## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.